



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Takashi TSUKAMOTO et al.

Title: THIOLACTONES

Appl. No.: 10/791,278

Filing Date: 3/3/2004

Examiner: Susannah E. LEE

Art Unit: 1626

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), after the Notice of Allowability.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO-1449 was cited as being relevant during the prosecution of the corresponding PCT application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English-language counterpart of the foreign-language document has not been provided. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP§609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 18-JAN-2006

By 

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PATENT AND TRADEMARK OFFICE

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APPLICANT

Takashi TSUKAMOTO et al.

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1626

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	1	4,239,636	12/16/1980	Brois et al.			

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	2	WO 01/01974	01/11/2001	WIPO	A2			
	3	2 819 253	07/12/2002	FR	B1			X
	4	WO 01/91738	12/06/2001	WIPO	A2			
	5	WO 94/05687	03/17/1994	WIPO	A1			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	6	Jackson et al., "Design of NAALADase Inhibitors: A Novel Neuroprotective Strategy", Current Medicinal Chemistry 2001, Vol. 8, pgs. 949-957.
	7	S. Hanessian et al., "N-Aryl Sulfonyl Homocysteine Hydroxamate Inhibitors of Matrix Metalloproteinases", J. Med. Chem., Vol. 44, 2001, pgs. 3066-3073.
	8	H. Takahata et al., "Regioselective Thio-Claisen Rearrangement" Heterocycles, Vol. 24, No. 12, 1986, pgs. 3347-3350.
	9	Tokmakov, "α-DIMETHYLAMINOMETHYLENE-γ-THIOBUTYROLACTONE AND SYNTHESIS OF HETEROCYCLIC DERIVATIVES", Chemistry of Heterocycle Compunds, Vol. 32, No. 2, 1996.
	10	International Search Report ( PCT/US2004/006178)
	11	Derwent WPI Abstract (English language Abstract) for FR 2 819 253

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.